

In the Claims

Please amend Claims 1 and 10 as follows:

1. (Currently Amended): A method for guiding a scanning device to decode a 2D symbol, the method comprising:
providing a set of substantially parallel positioning lines to the 2D symbol, the positioning lines ~~having a different slope than a horizontal axis being neither perpendicular to nor parallel with any border of the 2D bar-codesymbol;~~ and scanning the 2D symbol together with the positioning lines to produce a scanned image.
2. (Original): The method as recited in claim 1, wherein the positioning lines are provided on at least one side of the 2D symbol.
3. (Original): The method as recited in claim 1, wherein the positioning lines are superimposed upon the 2D symbol, and in a color different from a color of bars in the 2D symbol.
4. (Original): The method as recited in claim 1, further comprising determining an orientation of the 2D symbol in the scanner image in reference to the positioning lines.
5. (Original): The method as recited in claim 4, wherein at least one of the positioning lines includes a plurality of teeth.
6. (Original): The method as recited in claim 5, wherein the teeth is used to correct distortion in the scanned image.
7. (Original): The method as recited in claim 1, wherein the positioning lines are in a color different from that of bars in the 2D symbol.

8. (Original): The method as recited in claim 7, wherein the color absorbs first illumination from the scanning device.
9. (Original): The method as recited in claim 7, wherein the color reflects second illumination from the scanning device.
10. (Currently Amended): A scanning device for decoding a 2D ~~bar-codesymbol~~symbol attached with a set of equally spaced positioning lines, the scanning device comprising:
a signal processing chip;
a document detection module connecting to the processing chip for sending a paper signal when the 2D symbol presents and exists;
an image sensor sensing the 2D symbol and producing analog signals;
an analog-to-digital conversion (ADC) module receiving and digitizing the analog signals from the image sensor to produce a digital image thereof in a memory space;
and
a flash memory for storing a decoding software, wherein the decoding software is configured to perform operations of:
detecting the positioning lines in the digital image;
determining a slope of the positioning lines with respect to a slope of the 2D symbol, wherein the slope of the positioning lines is different than that of a horizontal axis and a vertical axis of the 2D symbol; and
determining an orientation of the 2D symbol.
11. (Original): The scanning device as recited in claim 10, wherein at least one of the positioning lines includes a plurality of teeth.
12. (Original): The scanning device as recited in claim 11, wherein the teeth is used to correct distortion in the scanned image.
13. (Original): The scanning device as recited in claim 10, wherein the positioning lines are in a color different from that of bars in the 2D symbol.

14. (Original): The scanning device as recited in claim 13, wherein the color absorbs first illumination from the scanning device.

15. (Original): The scanning device as recited in claim 13, wherein the color reflects second illumination from the scanning device.